

STATE OF OHIO
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL SURVEY
Horace R. Collins, Chief

Information Circular No. 48

BIBLIOGRAPHY OF OHIO GEOLOGY
1755 - 1974

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FOREWORD

This edition of the Bibliography of Ohio Geology is significant in that for the first time references are noted for the 1700's. The earliest citation is to a map by Lewis Evans published in 1755. Although Evans' map was not a geological map, it did note the occurrence of important mineral resources such as coal, petroleum, clay, whetstone, freestone, limestone, and salt springs within the area that now comprises the State of Ohio. Such notations are evidence of the interest in the state's mineral resources even at that early date. It was not, however, until the early 1800's that reports were published specifically on the geology and mineral resources of Ohio. Almost all these early reports have one common thread, and that is an interest in the occurrence of mineral resources that could be used for the improvement of society. In the 219 years between the publication of Evans' map and the date (1974) of the most recent citation in this bibliography, well over 5,000 reports, journal articles, maps, theses, and dissertations dealing with an extremely wide range of geologic subjects have been published or completed. During this same period specific areas of concern may have changed, new geological concepts have been introduced, and new methods of evaluating mineral resources have been developed; however, the basic need to know about geology and mineral resources so that society may make intelligent use of these resources remains the same as in 1755. It is hoped that this report, which brings citations from all previous bibliographies of the Geological Survey together under one cover plus those from 1970 through 1974, will provide a measure of direction to those needing information on Ohio geology.

Horace R. Collins
State Geologist

INTRODUCTION

This bibliography includes publications listed in the four previous bibliographies published by the Division of Geological Survey and articles and books referring to aspects of Ohio geology published in the years 1970 through 1974. The previous bibliographies are:

Bulletin 52, *Bibliography of Ohio geology, 1819-1950*
Information Circular 32, *Bibliography of Ohio geology, 1951-1960*
Information Circular 36, *Bibliography of Ohio geology, 1961-1965*
Information Circular 37, *Bibliography of Ohio geology, 1966-1970*

An attempt has been made to list all published books and articles which refer to Ohio geology. Unpublished theses and dissertations and published abstracts also are included.

Only the in-print publications of the Division of Geological Survey are available at the Survey office. Other publications may be consulted in libraries, especially the Ohio State University libraries, other university libraries, and many public libraries. Theses and dissertations may be consulted in the libraries of the colleges for which they were written.

Bibliographic citations are listed alphabetically by author. Citations under each author are arranged chronologically. A list of abbreviations used in the citations is given on p. 5. A date in parentheses indicates the year of publication was not printed in the article; pagination in parentheses indicates pages were not numbered or were not numbered consecutively.

The second part of this publication is a subject index keyed to the bibliographic citations by author's surname and the year of publication. Initials are used to distinguish authors with the same surname. Each bibliographic citation is indexed under as many headings as seemed necessary to cover the subjects discussed in the publication. The form of the index is similar to that used in the U.S. Geological Survey bibliographies of North American geology. Main headings in the index may be cross referenced to (1) another main heading, indicating the subject matter is indexed under the other heading (example—Meteoric impact structure: See Cryptoexplosion structure); (2) related main headings for additional information (example—Huron County: See also Devonian; Glacial geology); or (3) to a subheading under another main heading (example—Highway engineering: See under Engineering geology).

The basic areal unit used in the index is the county. Ohio counties and major geologic units are shown on figure 1. A glacial map (fig. 2) of the state also is included. Other areal units used in the index are the names of topographic quadrangles, cities, and compass quarters (such as northeastern Ohio).

Stratigraphic divisions (fig. 3) such as formations or beds are indexed under the geologic ages. For example, *Cleveland shale* and *Columbus limestone* are subheadings under the main heading *Devonian*. (Editor's note: because of changes in stratigraphic terminology and differences in usage, no stratigraphic name was considered formal and the lithologic part of the stratigraphic name was not capitalized in the index.)

Fossils are indexed under three main headings: *Paleobotany*, *Paleontology*, *invertebrate*, and *Paleontology, vertebrate*.

Users of this bibliography are requested to report omissions or errors to the Division of Geological Survey, Ohio Department of Natural Resources, Fountain Square, Building B, Columbus, Ohio 43224.

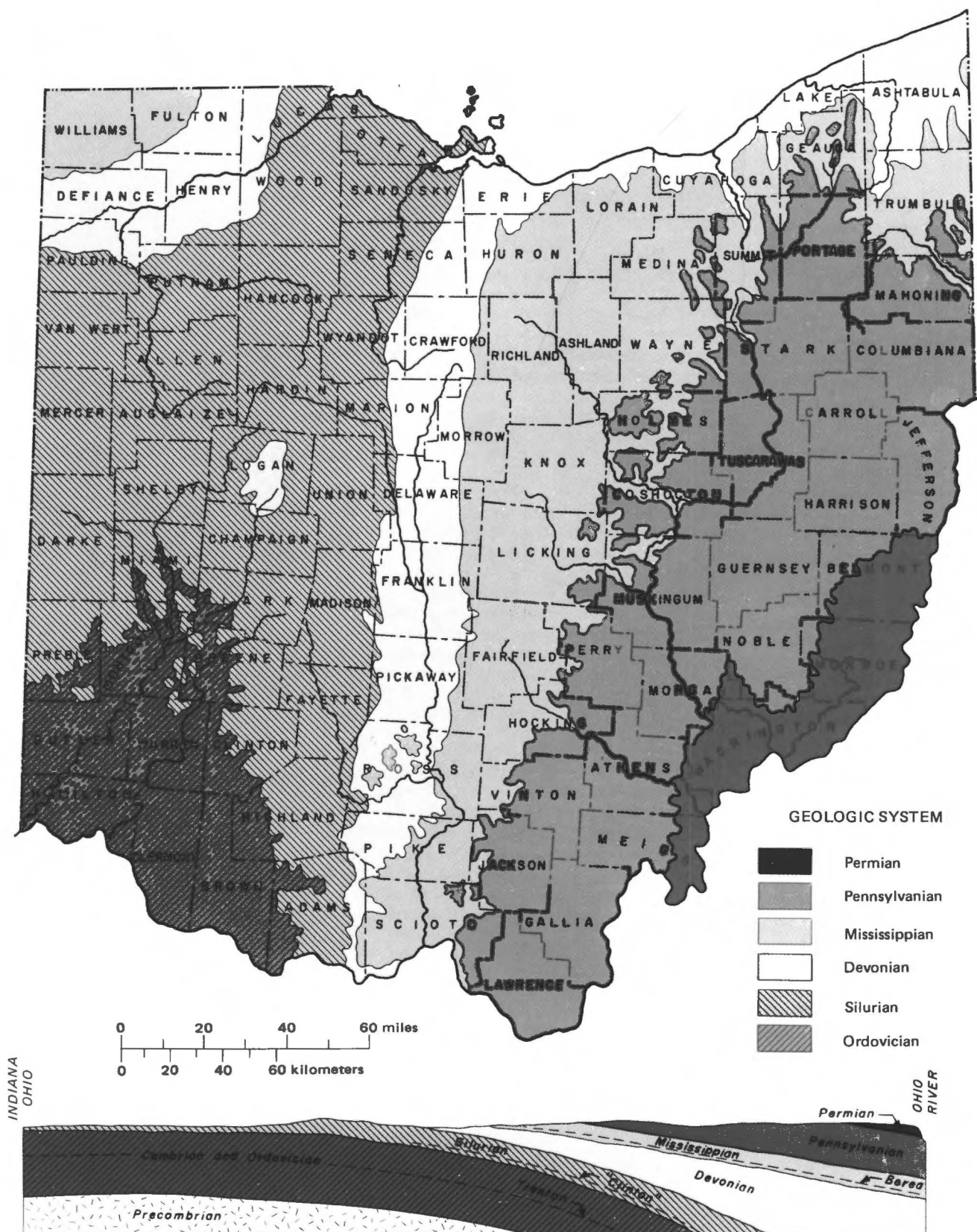


FIGURE 1.—Geologic map of Ohio.

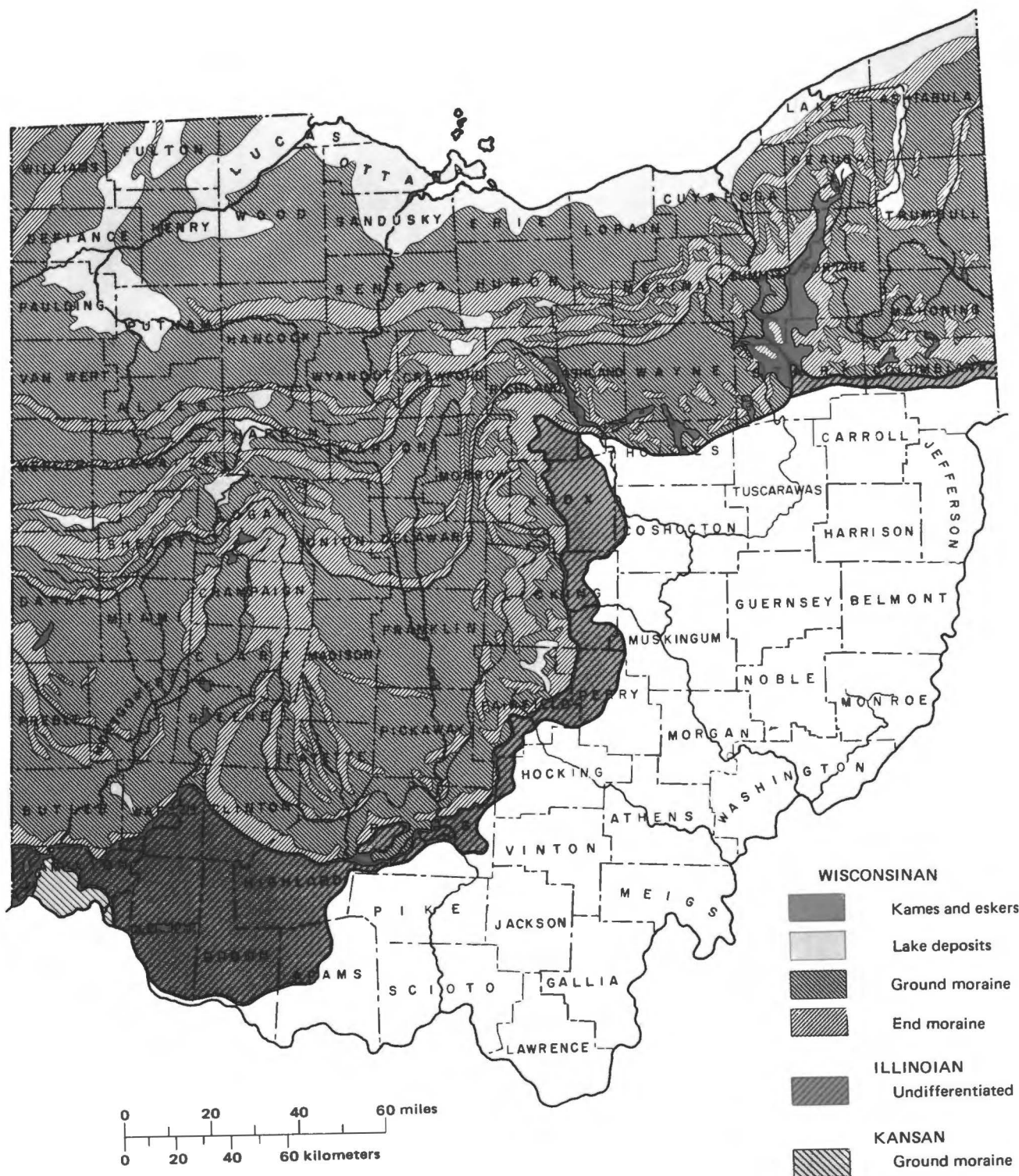


FIGURE 2.—Glacial map of Ohio.

ABBREVIATIONS

abs.	abstract(s)	internat.	international
Abt.	Abteilung	inv.	investigation(s)
acad.	academy	Jahrb.	Jahrbuch
adv.	advancement	jour.	journal
aeronaut.	aeronautical	lab.	laboratories
agr.	agricultural	M.A.	Master of Arts
Akad.	Akademie	mag.	magazine
Am.	American	malacolog.	malacological
ann.	annual	mem.	memoir
approx.	approximately	memo.	memorandum
archaeol.	archaeological	metall.	metallurgical
art.	article	mineralog.	mineralogical, mineralogique, mineralogische
assoc.	association	misc.	miscellaneous
Bd.	Band	mon.	monograph
B.E.	Bachelor of Engineering	M.S.	Master of Science
biog.	biographical	mtg(s).	meeting(s)
biol.	biological	mus.	museum
bot.	botanical	nat.	natural
bull.	bulletin	natl.	national
bur.	bureau	no(s).	number(s)
circ.	circular	n.s.	new series
coll.	college	OGS	Ohio Division of Geological Survey
colln.	collection	p.	page(s)
comm.	commission, committee	palaeontol.	palaeontologische
comp.	comparative	paleontol.	paleontological
conf.	conference	pan-Am.	pan-American
cong.	Congress, congrès	Ph.D.	Doctor of Philosophy
conserv.	conservation	philos.	philosophical
contr.	contribution(s)	pl(s).	plate(s)
cosmochim.	cosmochimica	prelim.	preliminary
dept.	department	proc.	proceedings
devel.	development	prof.	professional
dissert.	dissertation	prog.	progress
dist.	district	pt.	part
div.	division	pub.	publication, publishing
doc(s).	document(s)	quart.	quarterly
econ.	economic	rept.	report
ed(s).	edition, editor(s)	rev.	review
educ.	educational	sci.	science(s), scientific
eng.	engineering, engineers	sec.	section
environ.	environmental	sed.	sedimentary
exec.	executive	seismol.	seismological
expt.	experiment	ser.	series
ext.	extension	sess.	session
fasc.	fascicule	soc.	society
fig(s).	figure(s)	Sonderb.	Sonderbuch
found.	foundation	spec.	special
gaz.	gazette	speleol.	speleological
geochim.	geochimica	sta.	station
geog.	geographic, geographical	strat.	stratigraphie
geol.	geologic, geological, geologique, geologische	supp.	supplement
geomorph.	geomorphological	tech.	technical
geophys.	geophysical	trans.	transactions
GeoSci.	GeoScience	transp.	transportation
Gesell.	Gesellschaft	u.	und
hist.	historical	univ.	university
hydrol.	hydrologic, hydrological	unpub.	unpublished
illus.	illustrated	v.	volume
incl.	including	Verh.	Verhandlungen
indus.	industrial	Zeitschr.	Zeitschrift
inf.	information, informational	Zentralbl.	Zentralblatt
inst.	institute, institution	zool.	zoology

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INDEX

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 Acid mine drainage
 Control: Ahmad, 1970; Dambach, 1966; Gebhart, 1971; Khoury, 1973
 Detection by infrared photography: Ahmad, 1971a; Johnson, G. O., 1972b
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 Temperature survey: Ahmad, 1971b
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 Acton Lake, characteristics: Winner, 1962
 Adams County: See also Devonian; Ordovician; Silurian; Southern Ohio
 Bituminous rock: Ball Associates, 1965
 Brassfield limestone: Ehlers, E. G., 1961; Hoover, K. V., 1963b; Hopkins, 1954; Rexroad, 1967
 Buzzard's Roost Rock: Cross, A. T., 1942; Gilfillan, 1962a
 Cliff limestone: Orton, 1871b
 Concretions in Ohio shale: Seyfried, 1953
 Cryptoexplosion structure: Bucher, 1921, 1925, 1933a, 1933b, 1935; Bull, 1967; Cohen, A. J., 1961, 1962; Dietz, 1960, 1961, 1968; Flaughner, 1973; Galbraith, 1968, 1969; Jillson, 1923; Reidel, 1972; Sappenfield, 1950, 1951; Schmidt, R. G., 1961; Schwendeman, 1971; Short, 1968; Summerson, 1963b; Worthing, 1965; Zahn, 1965
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 Devonian, Olentangy shale: Gable, 1973; Lamborn, R. E., 1927, 1929
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 Floods in 1947: Cross, W. P., 1948b
 Flow markings in Mississippian strata: Wilson, W. J., 1950
 General geology: Locke, J., 1838
 Geodes: Goodwin, 1940
 Geologic map: Locke, J., 1838; Morris, R. H., 1967; Weiss, M. P., 1972
 Gravity survey: Flaughner, 1973; Zahn, 1965
 Ground water: Ohio Division of Water, 1960b; Prée, 1960e, 1960f; Schmidt, James J., 1962d
 Heavy minerals in sandstone: Brown, J. L., 1951
 Limestone resources: Orton, Jr., 1906; Stout, 1941
 Marl: Stout, 1940b
 Mississippian: Hyde, J. E., 1953
 Niagaran dolomites, mineralogy: French, 1961
 Ordovician, Elkhorn formation: Lindner, 1951
 Ordovician, lithostratigraphy: Hariharan, 1970
 Ordovician, sedimentary structures: Ali, 1967, 1971
 Ordovician-Silurian boundary: Gray, J., 1972
 Paleobotany: Gray, J., 1972; Hoskins, J. H., 1940
 Paleontology, invertebrate: Caster, 1938, 1951a, 1964; Cincinnati Alumnus, 1964; Cooper, B. J., 1974; Foerste, 1919c, 1930c; Gable, 1973; Gauri, 1970; Harrison, W. B., III, 1974b; Kohut, 1967, 1968, 1969a; Locke, J., 1838, 1842b; Rexroad, 1967, 1972; Shideler, 1918; Stauffer, 1938a, 1939; Williams, S. R., 1914, 1918
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 Silurian
 Clinton conglomerates: Foerste, 1895
 Correlations: Foerste, 1929b; McFarlan, 1938
 General: Horvath, 1964; Rexroad, 1965
 Greenfield formation: Miller, P. M., 1956
 Pebbles formation: Mallin, 1951
 Tymochtee formation: Hellert, 1972; Miller, P. M., 1956
 Soil and soil map: Taylor, A. E., 1938
 Stratigraphy: Calvert, 1968c; Freeman, 1953; Kaufmann, 1964
 Water resources: Ohio Division of Water, 1963; Stout, 1943
 White clays: Leverett, 1892b
 Zinc minerals in Serpent Mound structure: Heyl, 1962, 1968
 Addyston quadrangle, bedrock geology: Ford, J. P., 1972
 Aerial photography
 Acid mine drainage detection: Johnson, G. O., 1972b
 Coal-seam mapping: Norell, 1966
 ERTS imagery: Pettyjohn, 1974a; Rogers, R. H., 1974
 Geophysical data, interpretation: Mayhew, 1964
 Glacial geology, interpretation: Dickson, 1940
 Highway engineering: Johnson, G. O., 1974
 Sediment distribution patterns, interpretation: Cottrill, 1972a
 Southern Ohio: Rich, J. L., 1939
 Subsurface exploration, shallow: Struble, 1965
 Water-pollution detection: Bay, 1968
 Aeromagnetic survey
 Columbus-Dayton area: Philbin, 1965
 Crustal study: Zietz, 1966b, 1969
 Eastern Ohio: Beck, 1964; Popenoe, 1964
 Findlay and vicinity: Bromery, 1965
 Aeroradioactivity survey
 Central and western Ohio: Bates, R. G., 1965, 1966a
 Eastern Ohio: Bates, R. G., 1966b, 1966c
 Southwestern Ohio: Guillou, 1966
 Age measurements
 Basement rocks: Bass, M. N., 1961; Hofmann, C. M., 1972; Lidiak, 1966
 Pennsylvanian underclays: Hofmann, A. W., 1965, 1971, 1974; Mahoney, 1969
 Aggregate, architectural: Stith, 1969, 1970
 Aggregate, chert: Kneller, 1966, 1967, 1968a, 1968b, 1968c
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 Aggregates for road building: Goldthwait, 1954
 Aggregates, lightweight: Bowen, C. H., 1955a; Ehlers, E. G., 1958; Everhart, J. O., 1958; Johnson, J. E., 1957
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 Akron area, hydrology: Rau, 1970b
 Akron water supply: Durfor, 1964; Harker, 1944b
 Allen County: See also Oil and gas; Silurian; Western Ohio
 Aeromagnetic map: Bromery, 1965
 Agricultural survey: Klippart, 1871
 Bituminous rock: Ball Associates, 1965
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 Glacial map: Burger, A. M., 1971
 Ground water: Ohio Division of Water, 1960a, 1970; Walker, A. C., 1959c, 1959d, 1959e
 Limestones and dolomites: Orton, Jr., 1906; Stout, 1941
 Oil and gas: Bownocker, 1903a; Orton, 1890a; Sutton, R., 1886
 Soil: Heffner, 1965; Ohio Division of Lands and Soil, 1959a, 1961c
 Water resources: Stout, 1943
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 Analyses: See under specific mineral or rock
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 Appalachian area, Dunkard strata: Cross, A. T., 1952a
 Appalachian basin

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 Oil and gas: de Witt, 1974; Everhart, G. M., 1953; Fettke, 1952a; Linn, 1956; MacFarlane, R. M., 1959; Redic, 1970; Weaver, 1972a, 1972b, 1972c; Woodward, H. P., 1956
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 Stratigraphy: Lafferty, 1941, 1949
 Structure: Lafferty, 1941, 1949; Linn, 1956
 Subsurface study: Calvert, 1962d; Fettke, 1950; Woodward, H. P., 1961
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 Artifacts in gravel: Leverett, 1890b; Wright, G. F., 1888, 1893b, 1895
 Flint: Carskadden, 1969; Forsyth, 1965e; Prufer, 1963, 1965
 Flint Ridge: Crawford, B. J., 1967; DeLong, 1972; Fleener, 1942; Michell, 1943
 General: Prufer, 1962
 Geologic aspects: Forsyth, 1964b; Morgan, R., 1929
 Glacial man, traces: Holmes, W. H., 1893; Wright, G. F., 1893b, 1895
 Highland County, Fort Hill: Locke, J., 1838
 Huron County: Claypole, 1896d
 Logan County: Hill, 1878
 Lorain County, earthworks: Newberry, 1874e
 Meteoric material: Wasson, J. T., 1969
 Petrified wood used by aborigines: Murphy, J. L., 1973c
 Radiocarbon dates: Crane, 1962; Ogden, 1967a, 1969
 Serpent Mound placement: Schwendeman, 1971
 South-central Ohio: Whittlesey, 1838a
 Wayne County: Todd, J. H., 1910
 West-central Ohio: Britt, C. J., 1967
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- Ashland County:** See also Glacial geology; Mississippian; Oil and gas; Pennsylvanian
 Buried topography: Ver Steeg, 1934
 Cambrian: Fettke, 1948
 Coal: Granchi, 1958
 Devonian limestones: Dow, 1961, 1962
 Drainage changes: Hubbard, G. D., 1908d; Todd, J. H., 1900; Ver Steeg, 1931b; White, G. W., 1934c
 Field guide: Goldthwait, 1965b
 Gas analyses: Moore, B. J., 1966a
 General geology and geologic map: Read, M. C., 1878b
 Glacial geology: Goldthwait, 1965b; Hubbard, G. O., 1914a; Leverett, 1914; Ver Steeg, 1932d; White, G. W., 1933, 1937, 1961
 Glacial lake bed: Hubbard, G. D., 1914a; Leverett, 1914
 Ground water: Prée, 1962d, 1962h, 1962i; Stein, 1962i; Norris, 1961c
 Limestone: Lamborn, R. E., 1951
 Marl: Stout, 1940b
 Mississippian
 Berne conglomerate: Bork, 1971
 Black Hand sandstone and conglomerate: Ver Steeg, 1947
 Cuyahoga formation: Szmuc, 1957
 Mohican Forest Park, general geology: Ver Steeg, 1936b
 Oil and gas: Bownocker, 1910
 Pleistocene pollen in Mud Lake bog: Sears, 1931
 Paleontology, Mississippian trace fossil: Osgood, 1972
 Paleozoic rocks, cross section: Shearrow, 1966
 Soil: Ohio Division of Lands and Soil, 1965a
 Sub-Trenton rocks: Calvert, 1964b
 Tilted lake shoreline: Hubbard, G. D., 1914b, 1942
 Water resources
 Along State Route 1: Prée, 1962b
 General: Stout, 1943
 Muskingum River basin: Ohio Division of Water, 1968
 Well-sample descriptions: Fettke, 1961
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- Ashtabula County:** See also Devonian; Glacial geology; Northeastern Ohio; Oil and gas
 Beach ridges: Carney, 1916b
 Bog ore: Stout, 1940b
 Building stone: Bownocker, 1915
 Core description: Rector, 1950
 Devonian limestones: Dow, 1961, 1962
 General geology and geologic map: Hutton, 1940; Read, M. C., 1873
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- Molding sand:** Bownocker, 1923
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- Oil and gas:** Bownocker, 1903a; Grunau, 1961; Linn, 1959, 1962
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 Crustacea: Sturgeon, 1964c
 General: Caster, 1934
- Paleontology, vertebrate**
 Mammoth: McClure, W. F., 1904
 Mastodon: Peet, 1886
- Salt:** Stehli, 1963
- Soil and soil map:** Meyer, W. J., 1957; Ohio Division of Lands and Soil, 1961b, 1965b; Reeder, 1965, 1973a
- Stratigraphy:** Caster, 1934; Cate, 1961; Crick, 1953; de Witt, 1951; Pi-Sunyer, 1955; Szmuc, 1953
- Structure on Oriskany formation:** Cate, 1962
- Tilted postglacial lake beds:** Hubbard, G. D., 1942
- Water resources:** Ohio Division of Water, 1961; Stout, 1943
- Ashtabula quadrangle**
 Beach ridges: Carney, 1916b
 General geology: Hutton, 1940
 Geologic map: Hutton, 1940
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- Athens County:** See also Coal; Oil and gas; Pennsylvanian; Southeastern Ohio
 Clay: Calmer, 1971; Schultz, L. G., 1958; Stout, 1923; Webb, D. K., 1961
 Coal: Andrews, 1871c; Bownocker, 1908a, 1917a, 1929; Brant, 1956a, 1960a; Burroughs, 1914b; DeBrosse, 1957; DeLong, 1955; Denton, 1960; Orton, 1884b, 1889c; Smith, G. E., 1951
 Coal analyses: Dean, E. S., 1949
 Coal, Hocking Valley field: Read, M. C., 1878c
 Coal, low-sulfur: Struble, 1971
 Coal, Lower Kittanning (No. 5): Brant, 1954b
 Coal, Meigs Creek (No. 9): Smith, W. H., 1952a
 Coal, Pittsburgh (No. 8): Bownocker, 1926b; Smith, G. E., 1952
 Coal, Pomeroy (No. 8A): Bownocker, 1908b
 Coal, sulfur in: Walker, F. E., 1966
 Drainage changes: Baker, J., 1965; Stearns, C. H., 1899; Tight, W. G., 1900a
 Economic geology: Bengston, 1950
 Engineering geology: Smith, N. W., 1974
 Field guide: Baker, J., 1965; Denton, 1961; Donahue, 1974a; Frank, 1969; Prosser, C. S., 1910; Sturgeon, 1954
 Floods: Cross, W. P., 1964a, 1964b; Mayo, 1969
 General geology: Andrews, 1871d, 1873a, 1878; Aukland, 1952; Briggs, C., Jr., 1838b; Schuh, 1953; Smith, G. E., 1951, 1952; Sturgeon, 1958
 Geologic map: Sturgeon, 1958
 Glacial geology: Kempton, 1956, 1959
 Ground water: Blackie, 1973; Kutz, 1974; Prée, 1962a; Walker, A. C., 1958c, 1958d, 1958e
 Hydrology, Hocking River valley: Current, 1967; El Bakhbkh, 1970
 Iron ore: Kent, 1877; Whittlesey, 1877a
 Lacustrine deposits: Stonestreet, 1965
 Limestone: Lamborn, R. E., 1951; Orton, Jr., 1906
 Mississippian, Berea sand map: Pepper, 1944a
 Oil and gas: Bownocker, 1901, 1903a, 1910
 Oil fields, shallow: Ball Associates, 1965
 Paleobotany
 Coenopterid fern: Abbott, M. L., 1961
 Florula from Meigs Creek shale: Gellios, 1952
 Lycopods: Abbott, 1963, 1968
 Plants from Monongahela group: Good, 1974
 Spores and pollen: Kosanke, 1962
 Paleoeecology
 Brush Creek limestone: Boreske, 1968
 Portersville shale: Hansen, M. C., 1973

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 Paleontology, invertebrate
 Bivalves: Murphy, J. L., 1967b; Updegraff, 1969
 Brachiopods: Sturgeon, 1968
 Cephalopods: Murphy, J. L., 1970a; Sturgeon, 1948
 Conemaugh corals: Bebout, 1966
 Gastropods: Sturgeon, 1964a
 Portersville shale: Hansen, M. C., 1974a
 Pennsylvanian
 Ames limestone: Bjurstrom, 1960
 Cambridge limestone: Kozusko, 1968
 Conemaugh: Condit, 1912b; Donahue, 1974a; Sturgeon, 1974
 Connellsville sandstone: Fassett, 1964
 Cow Run sandstone: Laubach, 1953
 Dorr Run shale: Sturgeon, 1949a
 Gaysport limestone: Baker, H., 1967
 Gilboy sandstone: Turrill, 1960
 Grafton sandstone: Hoge, 1963
 Lower Freeport sandstone: Laubach, 1953
 Monongahela: Stout, 1954
 Portersville shale: Hansen, M. C., 1973
 Skelley limestone: Baker, H., 1967
 Uniontown sandstone: Turrill, 1960
 Permian, Dunkard series: Stauffer, 1920
 Permian, Hockingport sandstone: Martin, W. D., 1955, 1969
 Radiocarbon measurements: Ogden, 1967a, 1969
 Soil and soil map: Paschall, 1938a
 Stratigraphic sections: Andrews, 1871a
 Strip-mine overburden: Limstrom, 1951b
 Water resources: Ohio Division of Water, 1966a; Stout, 1943
 Wurtzite: Frondel, 1950; Seaman, 1950
 Auglaize County: See also Glacial geology; Oil and gas; Silurian
 Aeromagnetic map: Philbin, 1965
 Agricultural survey: Klippart, 1871
 Bituminous rock: Ball Associates, 1965
 Field guide: Briggs, D. Z., 1974; Kesling, 1974
 General geology: Winchell, N. H., 1874a
 Geologic map: Burger, A. M., 1971
 Glacial geology: Kahle, 1957
 Glacial map: Burger, A. M., 1971
 Ground water: Ohio Division of Water, 1960a, 1970; Schmidt, James J., 1960a; Walker, A. C., 1959a, 1959c, 1960a, 1960b
 Limestone and dolomite: Stout, 1941
 Marl: Stout, 1940b
 Oil and gas: Bownocker, 1903a; Orton, 1890a
 Ottawa River: Straub, 1958
 Paleontology, mastodon: Gilbert, G. K., 1871c
 Silurian rocks: Kesling, 1974; Winzeler, 1974
 Soil: Baker, F. J., 1959
 Teays River: Bownocker, 1899
 Tilted postglacial lake bed: Hubbard, G. D., 1942
 Water resources: Stout, 1943
 Auglaize River basin, hydrology: Rowland, 1969
 Auglaize River, underfit stream: Dury, 1964
 Barberton, floods: U.S. Geological Survey, 1962c
 Barberton limestone mine: Stauffer, 1944
 Barium in brines of eastern Ohio: Heck, E. T., 1940
 Basement rock: Bass, M. N., 1960, 1961; McCormick, G. R., 1960; Tilton, G. R., 1960; Rudman, 1964, 1965
 Basement rock, map: American Association of Petroleum Geologists, 1967; Bayley, 1968
 Bathythermograph recordings, Lake Erie: Herdendorf, 1967
 Beach erosion: U.S. Army, Corps of Engineers, 1945, 1946, 1950a, 1950b, 1966
 Beach ridges
 Bellevue quadrangle: Carney, 1913
 Berlin Heights quadrangle: Herdendorf, 1966
 Northern Ohio: Forsyth, 1959
 Vermilion West quadrangle: Herdendorf, 1966
 Beach sands: Lundahl, 1941, 1942; Pettijohn, F. J., 1932, 1933, 1941, 1943; Ridge, 1932
 Beaches: Tinker, 1959
 Beaver River basin, floods of January-February 1959: U.S. Geological Survey, 1964j
 Bedrock surface
 Clark, Greene, Madison, and Montgomery Counties: Norris, 1951
 Toledo area: Bush, E. A., 1966
 Bellefontaine outlier, Devonian limestones: Jackson, R. R., 1952
 Bellefontaine outlier, general geology: Moses, 1922
 Bellevue quadrangle, beach ridges: Carney, 1913
 Belmont County: See also Coal; Oil and gas; Pennsylvanian; Permian; Southeastern Ohio
 Aeromagnetic map: Popenoe, 1964
 Aeroradioactivity map: Bates, R. G., 1966b
 Barnesville region, general geology and geologic map: Schaefer, J. E., 1928
 Clay: Stout, 1923
 Coal: Berryhill, H. L., 1963; Bownocker, 1908a, 1917a, 1929; Brant, 1956a, 1960a; Condit, 1923; DeBrosse, 1957; DeLong, 1955; Denton, 1960; Hildreth, 1837; Lesquereux, 1854a
 Coal, Meigs Creek (No. 9): Smith, W. H., 1952a
 Coal, Pittsburgh (No. 8): Berryhill, H. L., 1955; Bownocker, 1926b; Brown, C. N., 1888; Feldmann, H. F., 1970
 Coal, Pomeroy (No. 8A): Bownocker, 1908b
 Coal, sulfur in: U.S. Geological Survey, 1973a; Walker, F. E., 1966
 Coal, Waynesburg (No. 11): White, G. W., 1947b
 Coal mine, flooded, geochemistry: Elliott, 1974; Henry, S. D., 1974
 Economic geology: Condit, 1923
 Environmental planning, Wheeling quadrangle: Wilson, P., 1970
 Field guide: Arkle, 1972b; Cross, A. T., 1950c; Denton, 1961; Smyth, 1955
 General geology: Andrews, 1874a; Atwater, 1819b; Berryhill, H. L., 1963; Eberle, 1936; Griswold, 1908; Mitchell, R. H., 1929; Stevenson, J. J., 1878; Streib, 1969a
 Geologic map: Berryhill, H. L., 1963
 Geomorphology: Ver Steeg, 1944b
 Ground water: Schmidt, James J., 1959e, 1959f; Walker, A. C., 1962e, 1962i, 1962j
 Limestone: Lamborn, R. E., 1951; Orton, Jr., 1906
 Lithofacies patterns applied to coal exploration: Berryhill, H. L., 1970
 Mapping coal seams with aerial photography: Norell, 1966
 Oil and gas: Bownocker, 1903a; Condit, 1916b; Griswold, 1908
 Paleobotany, Charophyta: Peck, R. E., 1963
 Paleontology, Redstone limestone: DuFeu, 1956
 Pennsylvanian
 Allegheny formation: Case, E. C., 1917
 Conemaugh formation: Condit, 1912b
 General: Arkle, 1972b; Cross, A. T., 1950c; Denton, 1961; U.S. Geological Survey, 1970a; White, G. W., 1945b
 Monongahela group: Stout, 1954; Streib, 1969b
 "Pittsburgh Sandstone": U.S. Geological Survey, 1974b
 Permian: Arkle, 1972b; Cross, A. T., 1950c; U.S. Geological Survey, 1970a; White, G. W., 1945b
 Permian, Dunkard series: Stauffer, 1920
 Radioactivity in coal: Welch, 1953
 Soil: Lessig, 1959b; Phillips, S. W., 1931
 Strip-mine overburden: Limstrom, 1950b
 Structure: Condit, 1916b; Erickson, T. D., 1959; Griswold, 1908
 Water resources: Ohio Division of Water, 1968; Smith, R. C., 1955; Stout, 1943
 Wheeling quadrangle, environmental planning: Wilson, 1970
 Wheeling quadrangle, general geology: Streib, 1969a
 Bentonite: Dennison, 1968, 1970; Fettke, 1952b; Flowers, 1952
 Berea sandstone, pore pressure: Aldrich, 1969; Lane, K. S., 1969
 Berea sandstone, porosity and bulk density: Manger, G. E., 1963
 Berea sandstone, radioactivity: Evans, Robley D., 1941
 Bergholz quadrangle, bedrock geology and geologic map: DeLong, 1973
 Berlin Heights quadrangle, geology and geologic map: Herdendorf, 1966
 Bernhagen, Ralph J., biography: Copelan, 1963
 Beryllium in coal: Stadnichenko, 1961
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- Lake Erie: Herdendorf, 1974
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- Magnesium resources: Davis, R. E., 1957
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- Maxville limestone: Morse, W. C., 1910
- Mollusca: Yochelson, 1967
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- Oil and gas: Alkire, 1951d; Dean, E. S., 1951
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- Paleontology, vertebrate: Gregory, J. T., 1973
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- Salt: Lang, 1957
- Sedimentation: Riggs, 1962
- Silica: Jaster, 1957
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